

REMOVAL OF PROTEINS FROM A SAMPLE
ABSTRACT OF THE DISCLOSURE

In various aspects, provided are methods and devices for the depletion of two or
5 more proteins from a sample, such as, for example, blood serum, blood plasma,
cerebrospinal fluid and/or urine samples. In various embodiments, the methods deplete
three or more proteins from a sample by contacting the sample with at least one
chromatographic medium, the at least one chromatographic medium being capable of
removing albumin, IgG, and a third abundant protein from the sample. In various
10 embodiments, the devices comprise a first chromatography column functionalized to
substantially remove a first abundant protein from the sample; a second chromatography
column in serial fluidic communication with the first chromatography column and
functionalized to substantially remove a second abundant protein from the sample; and a
first chromatography disk in serial fluidic communication with the second
15 chromatography column and functionalized to substantially remove a third protein from
the sample.